

RBM22 Rabbit pAb

Catalog # AP99124

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9NW64
Other Accession	Q9NW64
Reactivity	Human, Mouse
Predicted	Rat, Pig, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46896
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RBM22
Epitope Specificity	101-300/420
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the SLT11 family. Contains 1 C3H1-type zinc finger. Contains 1 RRM (RNA recognition motif) domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes an RNA binding protein. The encoded protein may play a role in cell division and may be involved in pre-mRNA splicing. Related pseudogenes exist on chromosomes 6, 7, 9, 13, 16, 18, and X. [provided by RefSeq, Mar 2009]

Additional Information

Gene ID	55696
Other Names	Cwc2; ZC3H16; fSAP47; 8430430L24Rik; RBM22_BOVIN; RBM22; RNA-binding motif protein 22; RBM22_HUMAN; Zinc finger CCCH domain-containing protein 16; RBM22_MOUSE; RBM22_RAT; RNA binding motif protein 22; functional spliceosome-associated protein 47
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	RBM22
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Synonyms	ZC3H16
Function	Required for pre-mRNA splicing as component of the activated spliceosome (PubMed: 28076346 , PubMed: 28502770 , PubMed: 29301961 , PubMed: 29360106 , PubMed: 29361316 , PubMed: 30705154). Involved in the first step of pre-mRNA splicing. Binds directly to the internal stem- loop (ISL) domain of the U6 snRNA and to the pre-mRNA intron near the 5' splice site during the activation and catalytic phases of the spliceosome cycle. Involved in both translocations of the nuclear SLU7 to the cytoplasm and the cytosolic calcium-binding protein PDCD6 to the nucleus upon cellular stress responses.
Cellular Location	Nucleus. Cytoplasm Note=Nearly exclusively nuclear. Translocated from the nucleus to the cytoplasm after heat shock cell treatment. May be shuttling between the nucleus and the cytosol.

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